

Title (en)  
Homogeneous additive concentrates for preparing lubricating oil compositions

Title (de)  
Homogene Additivkonzentrate für die Herstellung von Schmiermittelzusammensetzungen

Title (fr)  
Concentrés homogènes d'additifs pour préparation des compositions d'huiles lubrifiants

Publication  
**EP 0969077 A2 20000105 (EN)**

Application  
**EP 99305132 A 19990629**

Priority  
US 10989198 A 19980630

Abstract (en)  
A homogeneous composition comprising (A) at least one polymeric carboxylic ester viscosity improver optionally containing nitrogen-containing groups, and (B) at least one hydrocarbyl group substituted ashless dispersant wherein the hydrocarbyl group has Mn ranging from about 200 to about 800, and the weight ratio of (A) : (B) ranges from about 3:1 to about 1:3, where in one embodiment, the polymeric carboxylic ester viscosity improver is (1) a polyacrylate ester copolymer, optionally containing nitrogen containing groups, containing from 2 to about 30 carbon atoms in the ester group and having Mn ranging from about 10,000 to about 150,000, and in another embodiment, the polymeric carboxylic ester viscosity improver is (2) an esterified carboxy-containing interpolymers, having RSV ranging from about 0.05 to about 0.35 before esterification, optionally neutralized with an amine, said interpolymers derived from at least two monomers, one of said monomers being at least one of an aliphatic olefin containing from 2 to about 30 carbon atoms and a vinyl aromatic monomer and the other of said monomers being at least one alpha, beta-unsaturated acylating agent, characterized by the presence within the polymeric structure of ester groups having from 2 to about 30 carbon atoms.

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